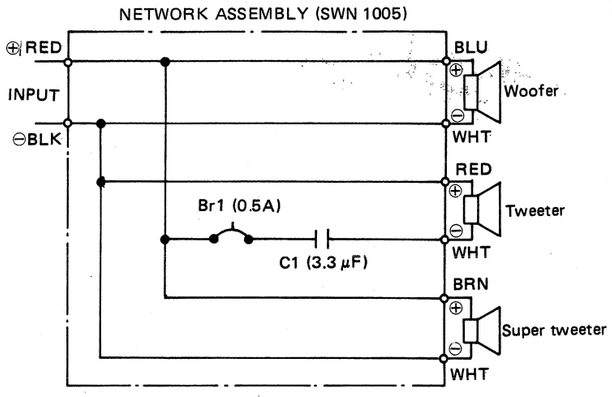
⊙ Network Assembly (CS-589)



Br:
There is an internal automatic repeater protection unit (Br) which protects the tweeter from excessive input or abnormal signals. Br operates if there is an excess input to the tweeter and prevents high-pitched sounds from being heard. If Br operates, lower the amplifier volume. Automatic repetition will occur after 5 - 10 seconds.

Parts List (CS-589)

Mark	Symbol & Description		Part No.
	Br1	Circuit protector (0.5A)	SSG-005
	C1	Capacitor (3.3 μF)	CES43R3KJ

PIONEER®
The future of sound and vision.

Service Manual

SPEAKER SYSTEM

CS-989 E
CS-889 E
CS-589 E

PARTS LIST OF PACKING

(CS-989)

Mark	Part No.	Description
	SHG1211	Packing case
	SHA-647	Corner pad
	SHA1222	Bottom pad (A)
	SHA1223	Bottom pad (B)
	KHL-081	Protection mat
	SDS-001	Speaker cord
	SRB1098	Instruction manual

(CS-889)

Mark	Part No.	Description
	SHG1212	Packing case
	SHA-647	Corner pad
	SHA1222	Bottom pad (A)
	SHA1223	Bottom pad (B)
	KHL-081	Protection mat
	SDS-001	Speaker cord
	SRB1099	Instruction manual

(CS-589)

Mark	Part No.	Description
	SHG1213	Packing case
	SHE1001	Protector assembly
	SHA-575	Corner pad
	SHX-095	Joint pipe
	SHC-446	Protection mat
	SRB1100	Instruction manual

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MA JUNE 1989 Printed in J

PARTS LIST OF EXPLODED

NOTES:

- *Parts without part number cannot be supplied.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "⊙" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*

Parts List (CS-989)

Mark	Part No.	Description
	SMA2002	Grille
⊙	SWN1163	Network assembly
	SKX-029	Input terminal
	B30FC84-51F	Woofer
	S12EP75-56F	Mid-range
	Q66AP45-53F	Tweeter
	F26ZE	Super tweeter
	SBA-145	Bind twin screw
	SBA-122	Bind twin screw

Parts List (CS-889)

Mark	Part No.	Description
	SMA2007	Grille
⊙	SWN1143	Network assembly
	SKX-029	Input terminal
	L30FC84-51E	Woofer
	S12EP75-56F	Mid-range
	Q66AP45-53F	Tweeter
	SBA-145	Bind twin screw
	SBA-122	Bind twin screw

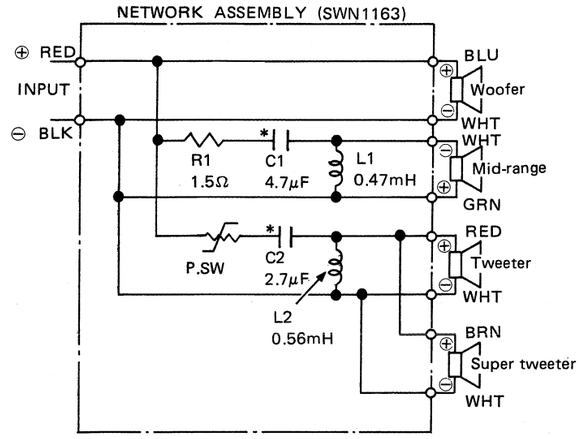
Parts List (CS-589)

Mark	Part No.	Description
⊙	SWN1005	Network assembly
	20-754A	Woofer
	D66AP45-51F	Tweeter
	B52Z	Super tweeter
	NS40FMC	Nut
	TNC40P120FMC	Screw
	SBA-142	Bind twin screw

NETWORK AND PARTS LIST

Circuit Diagram

⊙ Network Assembly (CS-989)

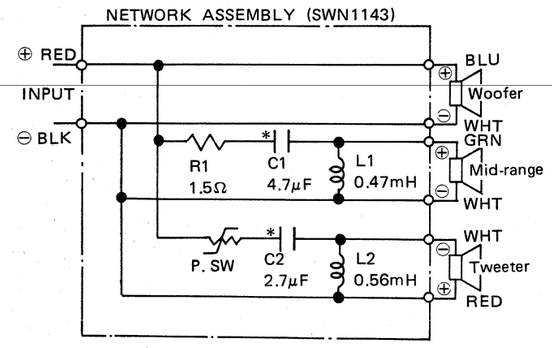


NOTE:
*The capacitor shorter lead wire (marked with *) is to be for the input.*

Parts List (CS-989)

Mark	Symbol & Description		Part No.
	L1	Chock coil (0.47mH)	STH-337
	L2	Chock coil (0.56mH)	STH-378
	C1	Capacitor (4.7μF)	CES44R7KJ
	C2	Capacitor (2.7μF)	CES42R7KJ
	R1	Resistor (1.5Ω)	RT10AL1R5K
	P. SW	Poly switch	SSG1001

⊙ Network Assembly (CS-889)



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	R1	Resistor (1.5Ω)	RT10AL1R5K
	P. SW	Poly switch	SSG1001

P. SW (POLYSWITCH):

P. SW has extreme positive resistance-temperature characteristics. (Less than 0.3Ω at the normal temperature). If an abnormal current flows to P. SW due to an excessive input or unusual signal, P. SW heats up and the resistance extremely increases. With this function, the tweeter is protected from excessive input or unusual signal. The resistance increase even by soldering iron during repairing so that cool it enough before using.